

54

ENTERED



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,756A

DATE: 03/27/2003

TIME: 13:19:45

Input Set : N:\Crf4\03272003\I889756.raw

Output Set: N:\CRF4\03272003\I889756A.raw

1 <110> APPLICANT: Joelle Thonnard
2 <120> TITLE OF INVENTION: BASB055
3 <130> FILE REFERENCE: BM45353
4 <140> CURRENT APPLICATION NUMBER: US/09/889,756A
5 <141> CURRENT FILING DATE: 2002-04-03
6 <150> PRIOR APPLICATION NUMBER: 9901462.3
7 <151> PRIOR FILING DATE: 1999-01-22
8 <150> PRIOR APPLICATION NUMBER: 9902069.5
9 <151> PRIOR FILING DATE: 1999-01-29
10 <160> NUMBER OF SEQ ID NOS: 4
11 <170> SOFTWARE: FastSEQ for Windows Version 4.0
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 1239
15 <212> TYPE: DNA
16 <213> ORGANISM: Neisseria meningitidis
17 <400> SEQUENCE: 1
18 atggctttt atgcttttaa ggcgatgcgt gcggccgcgt tggctgccgc cgttcattg 60
19 gtactgtcgt cttgcggtaa aggccggagac gcggcgcaagg gcggggcagcc tgctggcgg 120
20 gaaggccctg cggccgtctg cggtgtcgta accgtccatc cggaaaaccgt cgcattgacc 180
21 gtcgagttgc cggggcggtt ggaatcgctg cgtaccgcgc atgtccgcgc ccaagtcggc 240
22 ggcatcatcc aaaaacgcct gttccaagaa ggcagttatg tccgtgcgg acagccgcgt 300
23 tatcagatcg acagttccac ttatgaagca aatctggaaa gcgcgcgcgc gcaacttgca 360
24 acggctcagg caacgcgttgc caaacgcggat gcggatttgg cgcgatacaa gcctttggtt 420
25 gcccggaaag ccgtcagccgc gcaggaatac gatgctgcgg taacggcgaa acgttctgccc 480
26 gaggcaggtg tcaaaggcgc acaggcggca atcaaattctg ccggcattaa tctgaaccgt 540
27 tcgcgcattt cccgcgcgat ttccggctt atcggtcagt ccaaagtttc cgaaggtagc 600
28 ctgttgaatg cgggcgatac gaccgtgtgc gcaaccatcc gccaaaccaa tccgatgtat 660
29 gtgaacgtta cccagtcgtc atccgaagtg atgaaattgc gcgcgtcagat agccgaaggc 720
30 aaactgtctgg cggcggatgg tgtgattgc gtcggcatca aatttgcga cggcacagtt 780
31 taccctgaaaa aaggccgcct gctgtttgcc gatccgtcgc tcaacgaatc gaccggtcag 840
32 attaccctgc gcgcgcgcgt accgaacgtat cagaatatcc tgatgccccgg tctgtatgtg 900
33 cgcgtgtca tggaccaagt ggcgggtggat aacgcatttg ttgtgcgcga gcaggcggta 960
34 acgcgcggtg cggaaagatac cgtgatgatt gtgaatgccc aaggcggtat ggaacccgc 1020
35 gaggttaacgg ttgcgcacaac gcaagggtacg aattggattt ttacgtcggg tctgaaggac 1080
36 ggggacaagg tgggttgtgga aggcatcagt atcgcgcgtt taacgggtgc gaaaaaggta 1140
37 acgccccaaag aatgggcgtc gtctgaaaaac caagccgcgc cgcctcaatc cggcggtcag 1200
38 acggcatctg aagccaaaac tgcttctgaa gcggaaataa 1239
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 412
42 <212> TYPE: PRT
43 <213> ORGANISM: Neisseria meningitidis
44 <400> SEQUENCE: 2
45 Met Ala Phe Tyr Ala Phe Lys Ala Met Arg Ala Ala Ala Leu Ala Ala

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46	1	5	10	15
47	Ala Val Ala Leu Val Leu Ser Ser Cys	Gly Lys Gly Gly Asp Ala Ala		
48	20	25	30	
49	Gln Gly Gly Gln Pro Ala Gly Arg Glu Ala Pro Ala Pro Val Val Gly			
50	35	40	45	
51	Val Val Thr Val His Pro Gln Thr Val Ala Leu Thr Val Glu Leu Pro			
52	50	55	60	
53	Gly Arg Leu Glu Ser Leu Arg Thr Ala Asp Val Arg Ala Gln Val Gly			
54	65	70	75	80
55	Gly Ile Ile Gln Lys Arg Leu Phe Gln Glu Gly Ser Tyr Val Arg Ala			
56	85	90	95	
57	Gly Gln Pro Leu Tyr Gln Ile Asp Ser Ser Thr Tyr Glu Ala Asn Leu			
58	100	105	110	
59	Glu Ser Ala Arg Ala Gln Leu Ala Thr Ala Gln Ala Thr Leu Ala Lys			
60	115	120	125	
61	Ala Asp Ala Asp Leu Ala Arg Tyr Lys Pro Leu Val Ala Ala Glu Ala			
62	130	135	140	
63	Val Ser Arg Gln Glu Tyr Asp Ala Ala Val Thr Ala Lys Arg Ser Ala			
64	145	150	155	160
65	Glu Ala Gly Val Lys Ala Ala Gln Ala Ala Ile Lys Ser Ala Gly Ile			
66	165	170	175	
67	Asn Leu Asn Arg Ser Arg Ile Thr Ala Pro Ile Ser Gly Phe Ile Gly			
68	180	185	190	
69	Gln Ser Lys Val Ser Glu Gly Thr Leu Leu Asn Ala Gly Asp Thr Thr			
70	195	200	205	
71	Val Leu Ala Thr Ile Arg Gln Thr Asn Pro Met Tyr Val Asn Val Thr			
72	210	215	220	
73	Gln Ser Ala Ser Glu Val Met Lys Leu Arg Arg Gln Ile Ala Glu Gly			
74	225	230	235	240
75	Lys Leu Leu Ala Ala Asp Gly Val Ile Ala Val Gly Ile Lys Phe Asp			
76	245	250	255	
77	Asp Gly Thr Val Tyr Pro Glu Lys Gly Arg Leu Leu Phe Ala Asp Pro			
78	260	265	270	
79	Val Val Asn Glu Ser Thr Gly Gln Ile Thr Leu Arg Ala Ala Val Pro			
80	275	280	285	
81	Asn Asp Gln Asn Ile Leu Met Pro Gly Leu Tyr Val Arg Val Leu Met			
82	290	295	300	
83	Asp Gln Val Ala Val Asp Asn Ala Phe Val Val Pro Gln Gln Ala Val			
84	305	310	315	320
85	Thr Arg Gly Ala Lys Asp Thr Val Met Ile Val Asn Ala Gln Gly Gly			
86	325	330	335	
87	Met Glu Pro Arg Glu Val Thr Val Ala Gln Gln Gln Gly Thr Asn Trp			
88	340	345	350	
89	Ile Val Thr Ser Gly Leu Lys Asp Gly Asp Lys Val Val Val Glu Gly			
90	355	360	365	
91	Ile Ser Ile Ala Gly Ile Thr Gly Ala Lys Lys Val Thr Pro Lys Glu			
92	370	375	380	
93	Trp Ala Ser Ser Glu Asn Gln Ala Ala Ala Pro Gln Ser Gly Val Gln			
94	385	390	395	400

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95 Thr Ala Ser Glu Ala Lys Thr Ala Ser Glu Ala Glu
96 405 410

98 <210> SEQ ID NO: 3

99 <211> LENGTH: 41

100 <212> TYPE: DNA

101 <213> ORGANISM: Artificial Sequence

102 <220> FEATURE:

103 <223> OTHER INFORMATION: primer

104 <400> SEQUENCE: 3

105 aggcagaggc atatggcttt ttatgctttt aaggcgatgc g

41

107 <210> SEQ ID NO: 4

108 <211> LENGTH: 42

109 <212> TYPE: DNA

110 <213> ORGANISM: Artificial Sequence

111 <220> FEATURE:

112 <223> OTHER INFORMATION: primer

113 <400> SEQUENCE: 4

114 aggcagaggc tcgagttccg cttcagaagc agttttggct tc

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VERIFICATION SUMMARY

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